

Claims:

- 1        1.     A method comprising:
  - 2              in an operating system, checking a digital versatile disc (DVD) for
  - 3              resource indications and indications of their associated address regions;
  - 4              while playing a DVD, in the operating system, examining the addresses of
  - 5              the requested DVD data for addresses associated with one of the resource
  - 6              indications; and
  - 7              if the association is found, in the operating system, starting an application
  - 8              program and providing the one of the resource indications to the application
  - 9              program to obtain a resource.
- 1        2. The method of claim 1 wherein the starting and providing steps are not
- 2        done under the control of DVD player software.
- 1        3.     The method of Claim 1 wherein the operating system includes an
- 2        operating system extension.
- 1        4.     The method of Claim 3 wherein the operating system extension
- 2        software is provided on a digital versatile disc for loading onto the computer.
- 1        5.     The method of Claim 1 wherein the steps are implemented on the
- 2        computer.
- 1        6.     The method of Claim 1 wherein the resource indications are
- 2        Uniform Resource Locators (URLs).
- 1        7.     The method of Claim 1 wherein the indication of the address region
- 2        is a DVD menu or video indication from which the address region is determined.

1           8.     The method of Claim 1 wherein the resource indication is a file  
2     indication.

1           9.     The method of Claim 1 wherein the operating system produces a  
2     buffer of addresses requested from DVD player hardware and the operating  
3     system examines the buffer for addresses corresponding to a resource indication.

1           10.    The method of Claim 1 wherein the addresses are sectors on the  
2     DVD.

1           11.    A system comprising:  
2                a digital versatile disc (DVD) player adapted to read a DVD disc;  
3                an operating system adapted to check the DVD disc for resource  
4     indications and indications of associated address regions and adapted to examine  
5     the addresses requested from the DVD player for addresses associated with one of  
6     the resource indications, the operating system is further adapted, if the association  
7     is found, to start an application program and to provide the one of the resource  
8     indications to the application program to obtain a resource.

1           12.    The system of claim 11, wherein the starting and resource-  
2     indication providing are not done under the control of DVD player software.

1           13.    The system of Claim 11 wherein the operating system includes an  
2     operating system extension.

1           14.    The system of Claim 13 wherein the operating system extension is  
2     loaded from a DVD.

1           15.   The system of Claim 11 wherein the system is implemented on a  
2 computer.

1           16.   The system of Claim 11 wherein the resource indications are  
2 Uniform Resource Locators.

1           17.   The system of claim 11 wherein the indication of the address region  
2 or video is a DVD menu indication from which the address region is determined.

1           18.   The system of Claim 11 wherein the resource indication is a file  
2 indication.

1           19.   The system of Claim 11 wherein a buffer of addresses is produced  
2 by the operating system.

1           20.   A computer-readable medium containing a program which executes  
2 the following procedure:

3                 3        checking a digital versatile disc (DVD) for resource indications and  
4        indications of associated address regions;

5                 5        while playing a DVD in a DVD player, in the operating system, examining  
6        the requested DVD addresses for addresses associated with one of the resource  
7        indications; and

8                 8        if the association is found, in the operating system, starting an application  
9        program and providing the one of the resource indications to the application  
10      program to obtain a resource.

1           21.   The computer readable medium of claim 18, wherein the starting and  
2        resource indication providing steps are not done under the control of DVD player  
3        software.

1           22.     The computer-readable medium of Claim 20 wherein the operating  
2     system includes an operating system extension.

1           23.     The computer-readable medium of Claim 20 wherein the operating  
2     system extension is loaded from the DVD.

1           24.     The computer-readable medium of Claim 20 wherein the resource  
2     indication is a URL.

1           25.     The computer-readable medium of Claim 20 wherein the indications  
2     of address regions are DVD menu or video indications from which the address  
3     regions are determined.

1           26.     The computer-readable medium of Claim 20 wherein the resource  
2     indication comprises a file indication.

1           27.     The computer-readable medium of Claim 20 wherein the operating  
2     system creates a buffer of addresses.

1           28.     An apparatus comprising:  
2         means for reading a digital versatile disc (DVD),  
3         operating system means for checking the DVD disc for resource  
4     indications and indication of associated address regions, and for examining the  
5     DVD addresses requested from reading means to find addresses associated with  
6     one of the resource indications, and for, if the association is found, starting an  
7     application program and providing the one of the resource indications to the  
8     application program to obtain a resource.

1           29. The apparatus of claim 28, wherein the starting and resource-  
2 indication providing are not done under the control of DVD player software.

1           30. The apparatus of Claim 28 wherein the operating system includes  
2 operating system includes an operating system extension.

1           31. The apparatus of Claim 28 wherein the operating system extension  
2 is loaded from a DVD.

1           32. The apparatus of Claim 28 wherein the apparatus comprises a  
2 computer.

1           33. The apparatus of Claim 28 wherein the resource indications  
2 comprise URLs.

1           34. The apparatus of Claim 28 wherein the indications of address  
2 regions are DVD menu or video indications from which the address regions are  
3 determined.

1           35. The apparatus of Claim 28 wherein the resource indication  
2 comprises a file indication.

1           36. The apparatus of Claim 28 wherein the operating system uses a  
2 buffer of addresses produced by the operating system.

1           37. The apparatus of Claim 28 wherein the reading means comprises  
2 DVD player hardware.